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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/936,638	12/12/2002	Helmut Fennel	10543-032	8722
75	90 09/09/2004		EXAM	INER
Steven L Oberholtzer			JACKSON, ANDRE K	
Brinks Hofer Gilson & Lione PO Box 10395			ART UNIT	PAPER NUMBER
Chicago, IL 60610			2856	
		DATE MAILED: 09/09/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

		X				
	Application No.	Applicant(s)				
	09/936,638	FENNEL ET AL.				
Office Action Summary	Examiner	Art Unit				
	André K. Jackson	2856				
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with th	e correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1: after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be y within the statutory minimum of thirty (30) vill apply and will expire SIX (6) MONTHS fr , cause the application to become ABANDO	e timely filed days will be considered timely. om the mailing date of this communication. NED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 21 Ju	une 2004.					
3) Since this application is in condition for allowar	,—					
closed in accordance with the practice under E	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4)⊠ Claim(s) <u>1-11</u> is/are pending in the application.	Claim(s) <u>1-11</u> is/are pending in the application.					
4a) Of the above claim(s) is/are withdraw	4a) Of the above claim(s) is/are withdrawn from consideration.					
5)⊠ Claim(s) <u>6 and 7</u> is/are allowed.						
6)⊠ Claim(s) <u>1,3-5 and 11</u> is/are rejected.						
7)⊠ Claim(s) <u>2 and 8-10</u> is/are objected to.	Claim(s) 2 and 8-10 is/are objected to.					
8) Claim(s) are subject to restriction and/o	r election requirement.					
Application Papers						
9) The specification is objected to by the Examine	er.					
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correct	tion is required if the drawing(s) is	objected to. See 37 CFR 1.121(d).				
11) The oath or declaration is objected to by the Ex	caminer. Note the attached Offi	ce Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureau * See the attached detailed Office action for a list 	s have been received. s have been received in Applic rity documents have been rece u (PCT Rule 17.2(a)).	eation No sived in this National Stage				
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview Summ	ary (PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mai	I Date				
 Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 	5) Notice of Information Other:	al Patent Application (PTO-152)				

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DETAILED ACTION

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Specification

1. The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required: switching valves are not recited in the specification. Applicants seem to be confused about the objection to the specification. In short, the Examiner is asking for consistency between the claims and the specification more specifically with the term "switching valves". The Examiner has no interest in the part of speech (adverb; verb) the term is associated with the Examiner only needs the Applicants to have the specification mirror the claims in terminology. If there is a term that is used in the specification for "switching valve" then it should be used in the claims. The Examiner has not found the recitation "switching valve" anywhere in the specification. If this is not true the Applicants should point this out in the next response. The Applicants have requested that in the future the Examiner request a telephonic interview to avoid "piecemeal examination". However, the Examiner considered this objection to be minor and the objection did not warrant an interview, but if there is still a need to discuss the matter the Examiner is willing contact the Applicants at their earliest convenience.

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Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35
 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

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3. Claim 1 is rejected under 35 U.S.C. 102(e) as being anticipated by Führer. The applied reference has a common assignee with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

Regarding claim 1, Führer discloses in the patent entitled "Circuit arrangement for the brake system of a motor vehicle" determining the viscosity of a brake fluid as it is affected by temperature of a vehicle brake circuit and a predetermined pressure build-up within time limits having the

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steps of generating a pressure build-up within time limits in at least one defined section of the brake circuit; detecting in at least one section of the brake circuit a pressure in the section and measuring at least one of a magnitude of the pressure or a time required for build up the pressure and relating the magnitude of the pressure or time to the viscosity (Abstract, Columns 2,4).

Claim Rejections - 35 USC § 103

- 4. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over
 Kahl et al.

Regarding claim 1, Kahl et al. disclose in the patent entitled "Method and device for brake pressure adjustment" generating a pressure build-up within time limits in at least one defined section of the brake circuit; determining the viscosity of a brake fluid as it is affected by temperature of a vehicle brake circuit (Columns 1,2). It is well known that the temperature changes the viscosity of the fluid. Kahl et al. disclose that the fluid is both warm and cold from Figure 3, which shows how the viscosity is related to both the time and a predetermined pressure (Columns 1,2).

6. Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over Cornell et al. in view of Kahl et al.

Regarding claim 1, Cornell et al. disclose in the patent entitled "Duration control strategy for a hydraulically actuated engine compression release brake" determining the viscosity of a brake fluid as it is affected by temperature of a vehicle brake circuit (Column 3, lines 66-67-Column 4). Cornell et al. do not explicitly disclose generating a pressure build-up within time limits in at least one defined section of the brake circuit and a predetermined pressure build-up within time limits having the steps of detecting in at least one section of the brake circuit a pressure in the section and measuring at least one of a magnitude of the pressure or a time required for build up the pressure and relating the magnitude of the pressure or time to the viscosity. However, Kahl et al. disclose generating a pressure build-up within time limits in at least one defined section of the brake circuit; a predetermined pressure build-up within time limits having the steps of detecting in at least one section of the brake circuit a pressure in the section and measuring at least one of a magnitude of the pressure or a time required for build up the pressure and relating the magnitude of the pressure or time to the viscosity (Figure 3, Columns 1,2). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Cornell et al. to include a predetermined pressure build-up within time limits having the steps of detecting in at least one section of the brake circuit a pressure in the section and measuring at least one of a magnitude of the pressure or a time required for build up the pressure and relating the magnitude of the pressure or time to the viscosity. By adding this feature the artisan would be able to determine the pressure as related to the viscosity and generate the critical pressure difference across the inlet valve.

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7. Claims 1,3 and 4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Oyama.

Regarding claim 1, Oyama disclose in the patent entitled "Method of detecting temperature of brake fluid and method of controlling brake fluid pressure" determining the viscosity of a brake fluid as it is affected by temperature of a vehicle brake circuit (Column 4); a predetermined pressure build-up within time limits (Figures 5,6) having the steps of detecting in at least one section of the brake circuit a pressure in the section and measuring at least one of a magnitude of the pressure or a time required for build up the pressure and relating the magnitude of the pressure or time to the viscosity (Columns 3-4,Figures 5,6,9,10). Oyama does not disclose generating a pressure build-up within time limits in at least one defined section of the brake circuit. However, Seibert et al discloses in the patent entitled "Anti-lock hydraulic brake system" generating a pressure build-up within time limits in at least one defined section of the brake circuit (Column 5, lines 23-68-Column 6, lines 18-26).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Oyama to include generating a pressure build-up within time limits in at least one defined section of the brake circuit. By adding this feature the apparatus would be able to accurately control the operation of the system. Oyama makes it clear that the viscosity is estimated and not precisely know; however, estimation is a determination relative to the subject matter.

Regarding claim 3, Oyama discloses where the maximum magnitude of the pressure is determined (Figures 5, 6).

Regarding claim 4, Oyama discloses where the magnitude of the pressure variation is determined as a function of time (Figures 5, 6).

Regarding claim 11, Oyama does not disclose generating a pressure build-up within time limits for a predetermined period of time. However, Seibert et al. disclose generating a pressure build-up within time limits in at least one defined section of the brake circuit (Column 5, lines 23-68-Column 6, lines 18-26). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Oyama to include generating a pressure build-up within time limits in at least one defined section of the brake circuit. By adding this feature the apparatus would be able to accurately control the operation of the system.

8. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Oyama in view of Reinartz et al. Application/Control Number: 09/936,638

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Regarding claim 5, Oyama does not disclose where one of the magnitude or time of the pressure is determined after activation of a pump of the brake circuit delivering the brake fluid or after opening of a valve of the brake circuit. However, Reinartz et al. disclose where the magnitude or time of the pressure is determined after activation of a pump of the brake circuit delivering the brake fluid or after opening of a valve of the brake circuit (Columns 1 and 2). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify Oyama to include where the magnitude or time of the pressure is determined after activation of a pump of the brake circuit delivering the brake fluid or after opening of a valve of the brake circuit since this modification would increase the performance of the braking system.

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- 9. Claims 2,8,9 and 10 are objected to as being dependent upon a rejected base claim.
- 10. Claim 6 and 7 are allowed.

Response to Arguments

11. Applicant's arguments filed 06/21/04 have been fully considered but they are not persuasive. Applicants have argued that the Führer, Kahl and Cornell references are not available as prior art. However, while those priority documents supplied by the Applicants are available in the file those priority documents are not translated into English. Therefore, there

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is no way to determine if the subject matter in the foreign application is the same subject matter of the present application. The priority dates are not considered.

In response to Applicants argument that Oyama does not disclose a predetermined pressure build up within limits. Oyama depicts in Figures 5 and 6 how long it takes for the actual pressure to reach the target pressure (Column 3, lines 14-16). Hence, a predetermined pressure builds up within limits.

12. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to André K. Jackson whose telephone number is (571) 272-2196. The examiner can normally be reached on Mon.-Thurs. 7AM-4PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hezron Williams can be reached on (571) 272-2208. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

September 3, 2004

HEZRON WILLIAMS
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800